

Inventor: Dietmar ELLMER
Title: METHOD FOR ADAPTING AN ACTUATION DISTANCE Docket No.: 449122059900

MODEL FOR AN EXHAUST TURBOCHARGEF

App No.: 10/625,651

GAS BACK-PRESSURE FLOW, TEMPERATURES EXHAUST GAS MASS ENGINE SPEED, FILL COMPOSITION TURBINE, EXHAUST QUANTITY LEVEL OR CONTENT PRESSURE AFTER BEFORE/AFTER IGNITION ANGLE NGINE TORQUE, VALVE GEAR **MECHANISM** TURBINE INJECTED, (EGR) ACTUATOR IN EXHAUST **ACTIVATION SIGNAL OF** 8 STAGED INCREASE IN COMBUSTION ENGINE OPERATING STATE IDENTIFICATION OF (ACTUAL (TARGET TURBINE TURBINE STATES AROUND ACTUAL TARGET OF INTERNAL **TURBINE** TRACT r effect) ٤,٧ . VALUE EFFECT) VALUE POWER POWER STATIONARY **OPERATION** QUASI-*1* 38 **.**6 `42 COMPRESSOR POWER FIG.2 58-ACTUAL VALUE ACTUATION DISTANCE **ACTIVATIÓN VALUES** 52 MODEL/TARGET 8 STAGED MODIFICATION OF ACTUATOR **EVALUATION FILTERING** PRESSURE AND CYLINDER FRESH ERROR-FREE, ATL ATL COMPONENTS OPERATING POINT COMPENSATION; SUCTION PIPE IN FRESH AIR TRACT FOR AIR LEVEL <del>2</del> 62 CONSTANT CORRECTION **VALUES** 

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REPLACEMENT SHEET